

1           1.    A method for obtaining a digital signature  
2    comprising the steps of:  
3                receiving a request for a digital signature during  
4    an electronic transaction;  
5                notifying a web browser of the request for the  
6    digital signature;  
7                obtaining the digital signature from the wireless  
8    device;  
9                appending the digital signature to the data;  
10               notifying the web browser the digital signature has  
11    been obtained; and  
12               transmitting the data with the appended digital  
13    signature to a requesting party.

1           2.    The method of Claim 1, wherein the step of  
2   obtaining further includes the steps of:

3                forwarding the data to an application within the  
4   computer;

5                establishing a short-range wireless connection  
6   between the computer and the wireless device; and

7                forwarding the digital signature to the computer  
8   from the wireless device via the short-range wireless link.

1           3.    The method of Claim 1, further including the step  
2   of recognizing a command within the request for a digital  
3   signature.

1           4.    The method of Claim 1, further including the step  
2   of including a command for the digital signature and the data  
3   to be digitally signed within an HTTP header transmitted to  
4   a customer.

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1           6.    The method of Claim 1, wherein the step of  
2    notifying further includes the step of periodically reloading  
3    a web page notifying the customer of the request for the  
4    digital signature.

1           7.    A method for obtaining a digital signature in a  
2    transaction between a computer of a customer and a merchant,  
3    comprising the steps of:  
4                receiving a request for a digital signature from  
5    the merchant during an electronic transaction;  
6                recognizing a command for the digital signature and  
7    a data string to be digitally signed within the request;  
8                notifying a web browser of the request for the  
9    digital signature;  
10               forwarding the data string to an application  
11    within the computer;  
12               establishing a shortrange wireless link between the  
13    computer and a wireless device;  
14               forwarding the digital signature to the computer  
15    from the wireless device via the short range wireless link;  
16               appending the digital signature to the data string;  
17               notifying the web browser the digital signature has  
18    been obtained; and  
19               transmitting the data string with the appended  
20    digital signature to a URL included within the request.

1           8.    The method of Claim 7, further including the step  
2   of including the command for the digital signature and the  
3   data string to be digitally signed within an HTTP header  
4   transmitted to the computer of the customer by the merchant.

1           9.    The method of Claim 7, wherein the step of  
2   notifying further includes the step of periodically reloading  
3   a web page notifying the customer of the request for the  
4   digital signature.

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1           10. A mobile electronic transaction personal proxy  
2 device, comprising:  
3           a first interface with a merchant computer;  
4           a second interface with a web browser;  
5           a third interface with a Mobile electronic  
6 transaction device; and  
7           control logic configured to:  
8           notify the web browser of a request for a  
9 digital signature from the merchant computer;  
10           request a data string be digitally signed by  
11 the Mobile electronic transaction device;  
12           receive a digitally signed data string from  
13 the Mobile electronic transaction device;  
14           notify the web browser of the digitally signed  
15 data string; and  
16           forward the digitally signed data string to  
17 the merchant computer.